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Combining Sporicidal Products with Ultrasonic Cleaning

*C. difficile* spores represent the greatest disinfection challenge.

**Disinfection ?**

**Large Equipment ?**

**Quick Efficient Cleaning ?**

**Ultrasound Technology**

**Chlorine or Peracetic Acid** + **US VS C. difficile Spores**

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- 2 cm dia steel discs.
- *C. difficile* spores + BSA & Sheep blood.
- Dried to surface.
- Treated for up to 5 minutes.
- Initial concentrations of 500 ppm PAA & 250 ppm available chlorine. Approximately 25% or recommended value.
- Bath run at 50°C as per manufacturers instructions.
- US removed ≈99% of spores within 5 minutes.
- Sporicides required to achieve complete removal over same period.
- Sporicides remained effective for up to 1 hour.
- Some odour issues observed with some chlorine based products.